SPARK GAP

Vol. 42, Issue 6, June 2025 *MARC - Serving Central Indiana Communities*

On Our MARC:

Remember the Mid-State Amateur Radio Club is meeting at the Johnson County REMC Community room at 8:00AM. The Johnson County REMC is located at 750 International Drive in Franklin. You do not have to be a member to attend meetings and you are also encouraged to bring friend with you.

Hope to see you all this Saturday morning.

CLUB DUES FOR 2025

It is that time of year for your membership dues for the Mid-State Amateur Radio Club. The annual membership dues is $25.00 per year and has not changed from last year.

This also a good time to update any of your information for club records such as license upgrade, change of address, contact information or call sign.

This is also a good opportunity for new amateurs to join our club and join in our club activities for 2025.

Please see Jacki Frederick, KI6QOG M.A.R.C. Treasurer

Weather Ops-ervations
by KC9NJM

Most midwesterners have developed some level of understanding of the Enhanced Fujita Scale used for measuring the strength of tornadoes and their associated damage. The scale is referenced whenever NWS survey teams assess locations that have been hit by strong storms to assign a rating based on estimated wind speed and severity of damage.

Enhanced Fujita Scale

EFU	Wind speed: N/A	No survivable damage
EF-0	65-85 MPH	Light damage
EF-1	86-110 MPH	Moderate damage
EF-2	111-135 MPH	Considerable damage
EF-3	136-165 MPH	Severe damage
EF-4	166-200 MPH	Devastating damage
EF-5	200+ MPH	Incredible damage

On June1, we entered what is typically considered to be hurricane season, a period that runs through November 30, each year. As hurricanes are not a phenomena that directly impact our part of the country, we may be less familiar with the Saffir-Simpson Scale used to rate hurricane wind speeds.

Saffir-Simpson Hurricane Wind Scale

Category 1	74-95 MPH	Some damage
Category 2	96-100 MPH	Extensive damage
Category 3*	111-129 MPH	Devastating damage
Category 4*	130-156 MPH	Catastrophic damage
Category 5*	157+ MPH	Catastrophic damage

* Considered to be major hurricanes.

According to the National Hurricane Center the Saffir-Simpson Scale is based only on sustained maximum wind speed. It does not take into consideration other hazards such as storm surge, flooding from rainfall, or generated tornadoes.

NOAA is predicting that there is a 60% chance of an above-normal 2025 Atlantic hurricane season with 13-19 named storms. The estimate is that of those 13-19 storms, 3-5 will reach major hurricane designation.

Just as we hope each year that all of us in the active tornado areas are prepared for storms that may come our way, we hope that all of those in areas at risk from hurricanes have made their advanced preparations.

Sources: NOAA, NWS, National Hurricane Center

Birthdays for the month of June:

WA9VBG - Sam Carter
W8ISH - Jack Parker
K9OMT - Michael Turner
WB9CHR - Art Bleicher
W9KMS - Steven Seifert
N9MEM - Josh Marshall

MAY HAM TESTING

Three hams tested and earned their General class licenses following the May 17 MARC Monthly Meeting. If you'd like to schedule an ARRL proctored exam, contact VEC Jacki Frederick KI6QOG.

Alexander Ries passed the Technician test AND then upgraded to General.

Joshua Hounshel KE9BYW upgraded to General.

Joshua Beck KE9BZL upgraded to General.

Save The Date – MARC Tailgater!

- By James Adams

Mark your ham calendar for the Mid-State Amateur Radio Club's third tailgate hamfest scheduled for Saturday, September 13, 2025. This will be an outdoor event at the Atterbury State Fish and Wildlife Area's DNR Office parking lot, directly across the road from the DNR Headquarters.

Sellers can set up from the back of their car or truck or bring a table to display their gear. There will be no charge for MARC Members (or ARRL Section Directors), but we do ask a $5.00 donation for non-members to set up a display to help offset expenses. Rest Rooms are located directly across the road at the DNR office building.

Door Prizes!

September 13, 2025 Tailgater Schedule (EDT):

•Vendor Set-Up – 8:00 AM to 9:00 AM
•Browsing, Trading and Networking: 9:00 AM to 12:00 PM
•Tear Down & 73: 12:00 PM to 1:00 PM

To reserve a space or ask a question, please contact MARC Secretary Jim Adams KB9JMU via email to secretary@midstatehams.org. MARC Members can find additional KB9JMU contact info on the Member Roster.

Check out the map of Atterbury FWA.

Atterbury FWA Headquarters

7970 South Rowe Street

Edinburgh, IN 46124

Parks On The Air Note: Although Atterbury State Fish and Wildlife Area (US-4183) is a POTA park, the DNR HQ and the parking lot where the Tailgate Hamfest will be located are retained by the US Army and are not part of the FWA. Also, the POW Chapel and its parking lot in the west 1-F area are also not part of Atterbury FWA.

You can't POTA from these locations.

MAJOR GENERAL BARRY M. GOLDWATER

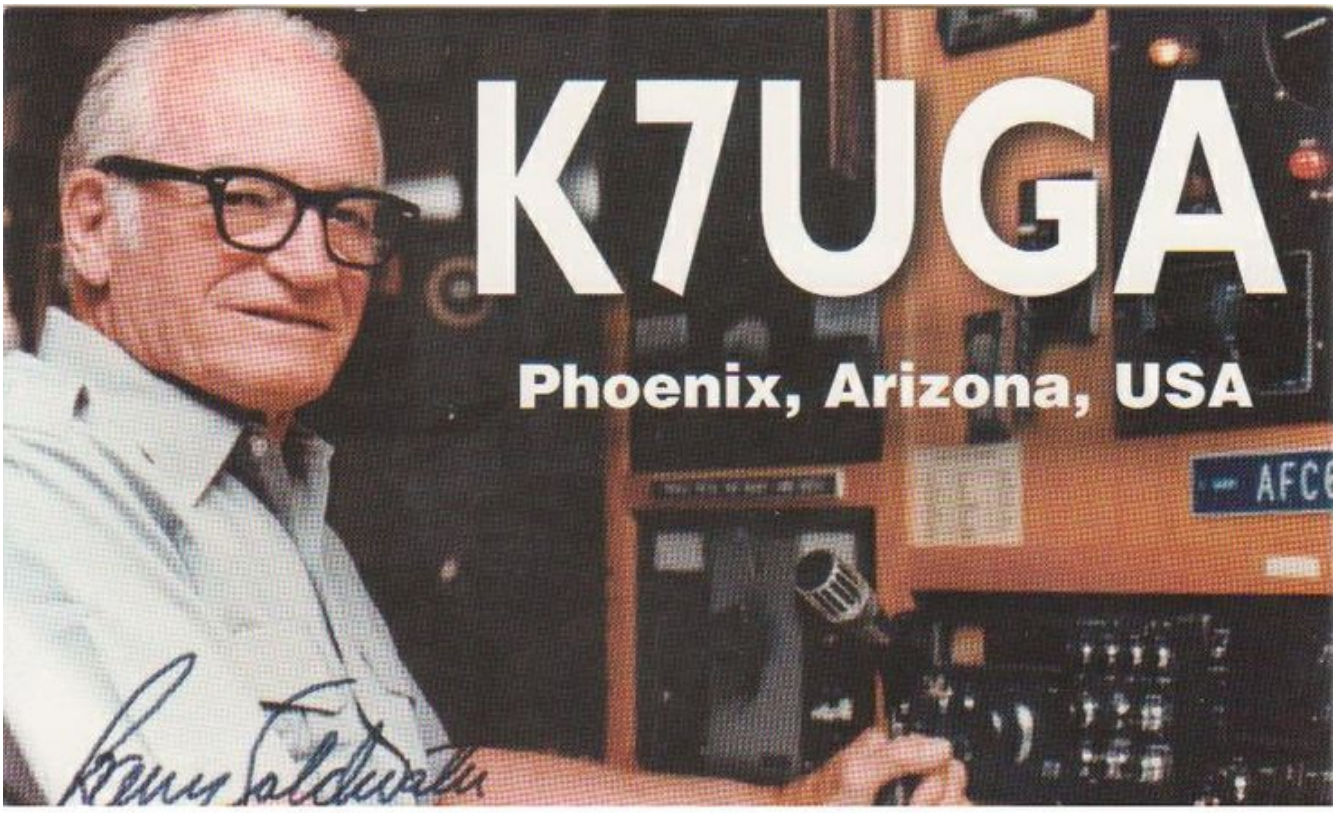
Barry M. Goldwater was born in Phoenix, Ariz., Jan. 1, 1909, the son of Baron and Josephine Williams Goldwater. His formal education includes Staunton Military Academy and one year at the University of Arizona.

Goldwater flew in India, China, Burma and Europe with the U.S. Air Force between 1941 and 1945 and retired as a major general in the U.S. Air Force Reserve. In 1949 he was elected to the Phoenix City Council and re-elected in 1951. He was elected to the U.S. Senate in 1952 and again in 1958. In 1964 he resigned his Senate seat to become the Republican presidential candidate.

In 1968 he was again elected to the U.S. Senate. He was assigned to the Senate Armed Services Committee and the Senate Aeronautical and Space Sciences Committee.

Goldwater is a member of the Episcopal Church, and belongs to the following organizations: The Smoki, Masons, Elks, Alianza, Veterans of Foreign Wars, American Legion, Sigma Chi, and board of directors of the Air Force Historical Foundation. He is the owner and operator of amateur radio station K7UGA-K3UIG, which is now a part of the Military Affiliate Radio System.

During his earlier terms in the U.S. Senate, Goldwater served on the following committees: Senate Labor and Public Welfare Committee, the Senate Rackets Committee, the Senate Banking and Currency Committee, the Interior and Insular Affairs Committee, the Senate Armed Services Committee, the Select Committee on Small Business and the Senate-House Joint Economic Committee.



FAMOUS HAM FROM THE PAST

ARRL FIELD DAY

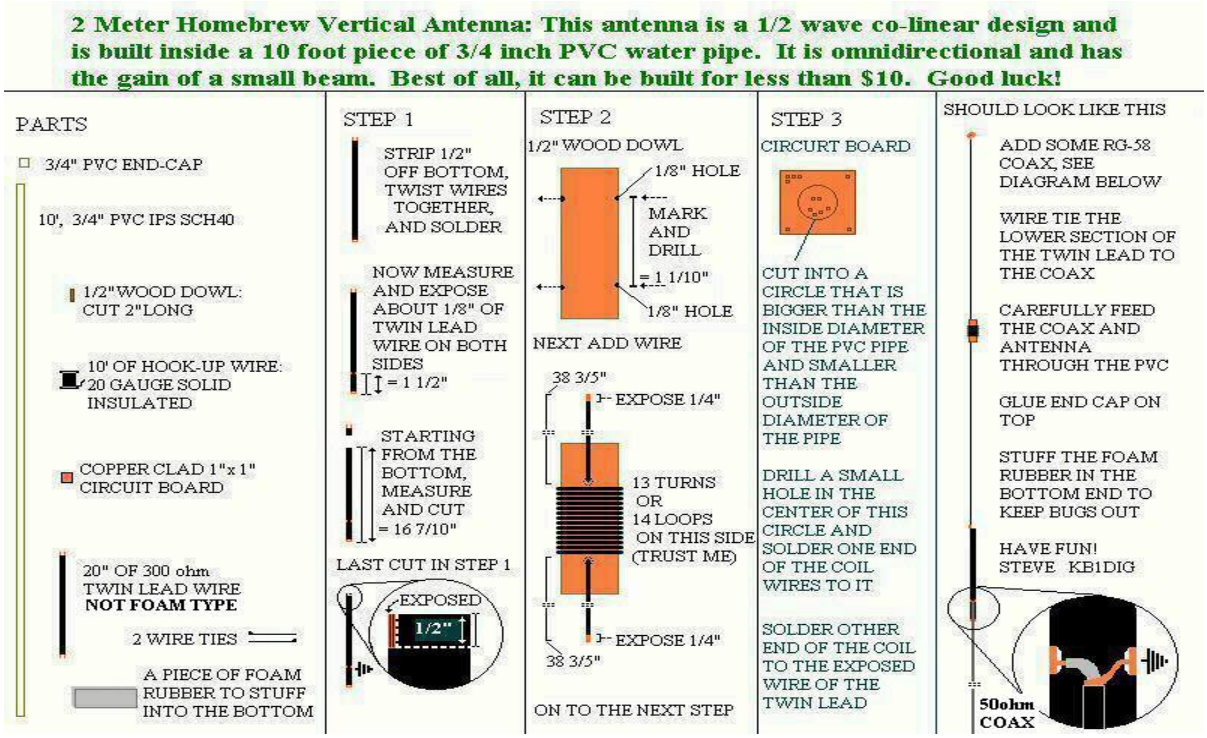
RADIO CONNECTS

FD25

www.arrl.org

JUNE 28-29

For more information: www.midstatehams.org


2 Meter Homebrew Vertical Antenna: This antenna is a 1/2 wave co-linear design and is built inside a 10 foot piece of 3/4 inch PVC water pipe. It is omnidirectional and has the gain of a small beam. Best of all, it can be built for less than $10. Good luck!
PARTS
3/4" PVC END-CAP
10', 3/4" PVC IPS SCH40
1/2"WOOD DOWL: CUT 2"LONG
10' OF HOOK-UP WIRE: 20 GAUGE SOLID INSULATED
COPPER CLAD 1"x 1" CIRCUIT BOARD
20" OF 300 ohm TWIN LEAD WIRE NOT FOAM TYPE
2 WIRE TIES
A PIECE OF FOAM RUBBER TO STUFF INTO THE BOTTOM
STEP 1
STRIP 1/2" OFF BOTTOM, TWIST WIRES TOGETHER, AND SOLDER
NOW MEASURE AND EXPOSE ABOUT 1/8" OF TWIN LEAD WIRE ON BOTH SIDES
= 1 1/2"
STARTING FROM THE BOTTOM, MEASURE AND CUT
= 16 7/10"
LAST CUT IN STEP 1
EXPOSED
1/2"
STEP 2
1/2" WOOD DOWL
1/8" HOLE
MARK AND DRILL
= 1 1/10"
1/8" HOLE
NEXT ADD WIRE
38 3/5"
EXPOSE 1/4"
13 TURNS OR 14 LOOPS ON THIS SIDE (TRUST ME)
EXPOSE 1/4"
38 3/5"
ON TO THE NEXT STEP
STEP 3
CIRCURT BOARD
CUT INTO A CIRCLE THAT IS BIGGER THAN THE INSIDE DIAMETER OF THE PVC PIPE AND SMALLER THAN THE OUTSIDE DIAMETER OF THE PIPE
DRILL A SMALL HOLE IN THE CENTER OF THIS CIRCLE AND SOLDER ONE END OF THE COIL WIRES TO IT
SOLDER OTHER END OF THE COIL TO THE EXPOSED WIRE OF THE TWIN LEAD
SHOULD LOOK LIKE THIS
ADD SOME RG-58 COAX, SEE DIAGRAM BELOW
WIRE TIE THE LOWER SECTION OF THE TWIN LEAD TO THE COAX
CAREFULLY FEED THE COAX AND ANTENNA THROUGH THE PVC
GLUE END CAP ON TOP
STUFF THE FOAM RUBBER IN THE BOTTOM END TO KEEP BUGS OUT
HAVE FUN!
STEVE KB1DIG
50ohm COAX

UP COMING HAMFESTS

07/20/2025 - Van Wert Hamfest

- Location: Van Wert, OH
- Address: Van Wert County Fairground
- 1055 S. Washington Street
- Van Wert, OH 45891
- Talk-In: 146.850-
- Sponsor: Van Wert Amateur Radio Club
- Website:http://w8fy.org

07/26/2025 - East Central Indiana HAMFEST

- Location : Jay County Fairgrounds Portland, IN
- Address: 806 E Votaw St
- Portland, Indiana 47375
- Talk-In: 147.300+ 127.3pl
- Website: ECIHamfest

08/02/2025 - Elkhart East Hamfest

- Location: Elkhart, IN
- Address: Northern Indiana Event Center’s Orthwein Pavilion
- 21565 Executive Pkwy
- Elkhart, IN 46514
- Talk-In: 147.330+ PL 131.8
- Sponsor: Website: https://elkharteasthamfest.com/

08/09/2025 - Cincinnati Hamfest

- Location: Owensville, OH
- Address: Clermont County Fairgrounds
- 1000 Locust St.
- Owensville, OH 45160
- Talk-In: 147.345+ PL 123.0
- Sponsor: Milford ARC
- Website: https://CincinnatiHamfest.org

08/09/2025 - Hendricks County Tailgate Fest

- `NEEDS Confirmed`
- Location: Avon, IN
- Address: Avon United Methodist Church
- 6850 E. US Hwy 36
- Avon, IN 46123
- Talk-In: 145.130- PL88.5
- Sponsor: Ham Emergency Radio Operations

08/10/2025 - ARANCI Hamfest

- `NEEDS Confirmed`

- Location: Lake Village, IN
- Address: Lake Village Community Center
- 9728 North 300 West
- Lake Village, IN 46349
- Talk-In: 145.330- pl 131.8
- Sponsor: ARANCI

10/11/2025 - Hoosier Hills Hamfest

- Location: Bedford, IN
- Address: Lawrence County 4-H Fairgrounds
- 11265 US-50
- Bedford, IN 47421
- Talk-In: 146.73- PL/107.2
- Sponsor: Hoosier Hills Ham Club
- Website: https://hoosierhillshamfest.com

10/18/2025 - Shelbyville Tailgate

- `NEEDS Confirmed`

- Location: Shelbyville, IN
- Address: Shelby County Fairgrounds
- 500 Frank St

- Shelbyville, IN 46176
- Talk-In: 145.48- 88.5pl
- Website:https://brvars.com/

11/15-16/2025 - Ft Wayne Hamfest

- `NEEDS Confirmed`
- Location: Fort Wayne, IN
- Address: Allen County War Memorial Coliseum
- 4000 Parnell Ave
- Fort Wayne, IN 46805
- Talk-In: 146.88-
- Website: http://www.acarts.com/hfmain.htm

11/29/2025 WVARA Turkeyfest

- Location: Brazil, IN
- Address: Clay County Fairgrounds
- 6550 N SR 59
- Brazil, IN
- Talk-In 146.685- 151.4PL
- Sponsor: Wabash Valley ARA
- Website: W9UUU.org

MID-STATE AMATEUR RADIO CLUB

The Mid-State Amateur Radio Club meets the THIRD SATURDAY 8:00 AM of each month at the Johnson County REMC building 750 International Dr. Franklin, IN 46131

See our website, www.midstatehams.org, for maps on how to get to our meeting.

Everyone is welcome; you do not have to be a *HAM* to attend our meetings or a member of the club.

W9MID Repeater:
Offical SkyWarn Repeater for Johnson County

146.835/
146.235 MHz
(151.4 Hz PL Tone)

W9MID Repeater:

443.525/
448.525 MHz
(151.4 Hz PL Tone) YEASU SYSTEM FUSION (C4FM)

Club Officers:

President: Tim Aldridge - WC9G
Vice President: Rhonda Curtis - WS9H
Secretary: Jim Adams – KB9JMU
Treasurer: Jacki Frederick - KI6QOG
Repeater Trustee: Chris Frederick – KQ9Y
Club Historian: Art Bleicher – WB9CHR
Club P.I.O. : Rhonda Curtis – WS9H

Weekly Net: Sunday evening 7:00 PM ARES/RACES members and ALL RADIO AMATEURS
146.835/146.235 MHz (151.4 Hz PL Tone)

The Official Newsletter of the Mid-State Amateur Radio Club
857 Lionshead Lane
Greenwood, Indiana
46143
Spark Gap Editor: Robert LaGrange N9SIU

Please send your articles to my email: n9siu@yahoo.com no later than the 3rd week of the month.

Thanks to Johnson Co. REMC for the use of their building for meetings and testing.

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